


Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket No.	Serial No.
	J&J-1930	09/612,357
	Applicant Ying Sun et al.	
	Filing Date	Group Art Unit
	July 7, 2000	1615

U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
MAN	3,950,158	4/13/76	Gossett			
MAN	5,662,624	9/2/97	Sundstrom et al.			
MAN	5,658,583	8/19/97	Zhang et al.			

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FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
MAN	GB 2303208	12/2/97	United Kingdom			<input type="checkbox"/>	<input type="checkbox"/>
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						<input type="checkbox"/>	<input type="checkbox"/>

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

Examiner: <i>Williamson</i>	Date Considered: <i>9/2001</i>
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	



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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 1 of 5	Application Number	09/612,357
	Filing Date	July 7, 2000
	First Named Inventor	Sun et al.
	Group Art Unit	1615
	Examiner Name	
	Attorney Docket Number	J&J-1930

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
MAW		3,315,665		MacLeod	4/25/67	
		3,964,482		Gerstel et al.	6/22/76	
		4,230,105		Harwood	10/28/80	
		4,406,658		Lattin et al.	9/27/83	
		4,655,766		Theeuwes et al.	4/7/87	
		4,685,911		Konno et al.	8/11/87	
		4,767,402		Kost et al.	8/30/88	
		4,790,824		Morrow et al.	12/13/88	
		4,963,360		Argaud	10/16/90	
		5,013,293		Sibalis	5/7/91	
MAW		5,036,861		Sembrowich et al.	8/6/91	
		5,042,975		Chien et al.	8/27/91	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵				
MAW		EPO	0 429 842	A2	Korea Research Institute	6/5/91		
		DE	195 25 607	A1	Boehringer Ingelheim KG	1/16/97		abs only
		PCT	86/07269	A1	Drug Delivery Systems, Inc.	12/18/86		
		PCT	92/07618	A1	Alza Corporation	5/14/92		
		PCT	93/17754	A1	Elan Medical Technologies Limited	9/16/93		
MAW		PCT	94/23777	A1	Elan Medical Technologies Limited	10/27/94		
		PCT	95/30410	A3	Svedman	11/16/95		

Examiner Signature	<i>Williamson</i>	Date Considered	9/2001
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<p>Substitute for form 1449A/PTO</p> <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 0;">(use as many sheets as necessary)</p> <p style="text-align: center; margin: 0;">Sheet 2 of 5</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Application Number</td><td style="padding: 2px;">09/612,357</td></tr> <tr><td style="padding: 2px;">Filing Date</td><td style="padding: 2px;">July 7, 2000</td></tr> <tr><td style="padding: 2px;">First Named Inventor</td><td style="padding: 2px;">Sun et al.</td></tr> <tr><td style="padding: 2px;">Group Art Unit</td><td style="padding: 2px;">1615</td></tr> <tr><td style="padding: 2px;">Examiner Name</td><td style="padding: 2px;"></td></tr> <tr><td style="padding: 2px;">Attorney Docket Number</td><td style="padding: 2px;">J&J-1930</td></tr> </table>	Application Number	09/612,357	Filing Date	July 7, 2000	First Named Inventor	Sun et al.	Group Art Unit	1615	Examiner Name		Attorney Docket Number	J&J-1930
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		Number	Kind Code ² (if known)			
MAN		5,135,478		Sibalis	8/4/92	
		5,156,591		Gross et al.	10/20/92	
		5,213,568		Lattin et al.	5/25/93	
		5,224,927		Tapper	7/6/93	
		5,250,023		Lee et al.	10/5/93	
		5,279,543		Glikfeld et al.	1/18/94	
		5,279,544		Gross et al.	1/18/94	
		5,320,607		Ishibashi	6/14/94	
		5,362,307		Guy et al.	11/8/94	
		5,386,837		Sterzer	2/7/95	
		5,399,163		Peterson et al.	3/21/95	
MAN		5,438,984		Schoendorfer	8/8/95	

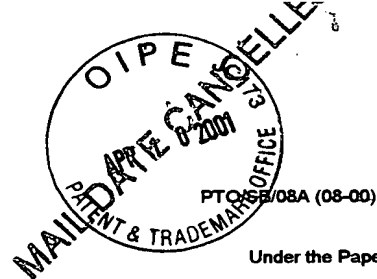
FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵				
MAN		PCT	96/00110	A1	Cygnus Therapeutic Systems	1/4/96		
		PCT	96/17648	A1	Ciba Geigy AG	11/27/95		abs only
		PCT	96/37256	A1	Silicon Microdevices, Inc.	11/28/96		
		PCT	97/12644	A1	Becton Dickinson and Company	4/10/97		
		PCT	97/04832		Massachusetts Institute Of Technology	2/13/97		
		PCT	97/48440		Alza Corporation	12/24/97		
MAN		PCT	97/48441	A1	Alza Corporation	12/24/97		

Examiner Signature: <u>Williamson</u>	Date Considered: <u>9/2001</u>
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 3 of 5	Application Number	09/612,357
	Filing Date	July 7, 2000
	First Named Inventor	Sun et al.
	Group Art Unit	1615
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		Number	Kind Code ² (if known)			
MAN		5,441,490		Svedman	8/15/95	
		5,527,288		Gross et al.	6/18/96	
		5,533,971		Phipps	7/9/96	
		5,540,669		Sage Jr. et al.	7/30/96	
		5,582,586		Tachibana et al.	12/10/96	
		5,591,124		Phipps	1/7/97	
		5,614,502		Flotte et al.	3/25/97	
		5,636,632		Bommannan et al.	6/10/97	
		5,658,892		Flotte et al.	8/19/97	
		5,667,491		Pliquett et al.	9/16/97	
		5,718,955		McGuire et al.	2/17/98	
MAN		5,853,383		Murdock	12/29/98	

FOREIGN PATENT DOCUMENTS

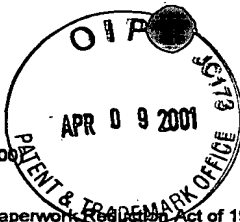
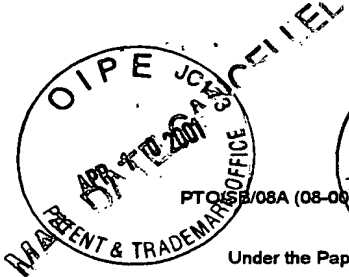
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MAN		PCT	97/48442	A1	Alza Corporation	12/24/97		
		PCT	98/11937	A1	Deka Products Limited Partnership	3/26/98		
		PCT	98/28037	A1	Alza Corporation	7/2/98		
		PCT	98/28038	A1	Alza Corporation	7/2/98		
		PCT	98/29134		Altea Technologies Inc.	7/9/98		
MAN		PCT	98/46124	A1	Alza Corporation	10/22/98		

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 4 of 5	Application Number	09/612,357
	Filing Date	July 7, 2000
	First Named Inventor	Sun et al.
	Group Art Unit	1615
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WJW		5,857,992		Haak et al.	1/12/99	
		5,885,211		Eppstein et al.	3/23/99	
		6,050,988		Zuck	4/18/00	
		6,083,196		Trautman et al.	7/4/00	
WJW		6,104,952		Tu et al.	8/15/00	

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Sheet 5 of 5

<i>Application Number</i>	09/612,357
<i>Filing Date</i>	July 7, 2000
<i>First Named Inventor</i>	Sun et al.
<i>Group Art Unit</i>	1615
<i>Examiner Name</i>	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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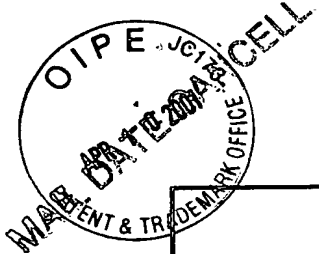
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Page 1 of 1

Application Number	09/612,357
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			Number	Kind Code ² (if known)	
		Johnson & Johnson Consumer Companies, Inc.	pending USSN 09/548,771		
		Johnson & Johnson Consumer Companies, Inc.	pending USSN 09/549,147		
		Johnson & Johnson Consumer Companies, Inc.	pending USSN 09/385,284		
		Johnson & Johnson Consumer Companies, Inc.	pending USSN 09/612,357		
		Johnson & Johnson Consumer Companies, Inc.	pending USSN 09/611,865		
		Johnson & Johnson Consumer Companies, Inc.	pending USSN 09/644,093		

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			Office ³	Number ⁴	KindCode ⁵		

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MMW		PCT Search Report Dated 10/25/00 of International Application No. PCT/US 00/18650	

Examiner
Signature

W. M. Watson

Date
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